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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/945,187	08/31/2001	Ken Ostrom	35706.2300	8503

34398 7590 08/22/2006

THEODORE E. GALENTHAY  
PRIMARION, INC.  
PO BOX 26308  
SCOTTSDALE, AZ 85255-0155

EXAMINER

PATEL, RAJNIKANT B

ART UNIT PAPER NUMBER

2838

DATE MAILED: 08/22/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/945,187

Applicant(s)

OSTROM ET AL.

Examiner

Rajnikant B. Patel

Art Unit

2838

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 03 July 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 13-45 and 52-55 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) \_\_\_\_\_ is/are rejected.
- 7) ☐ Claim(s) 13-45 and 52-55 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date 7/06.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

## DETAILED ACTION

### *Claim Rejections - 35 USC § 102*

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

- (b) The invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- (e) The invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- (e) The invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000. Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

2. Claims 13-32 rejected under 35 U.S.C. 102(e) as being anticipated by Rinconb-Mora et al. (U.S. patent # 6,188,211).

Rincon-Mora et al. disclose the claimed subject matters a power regulator (figure 1 and 4), including a negative transient response (column 7, line 40-45), a positive transient response (column 9, line 1-9) and transient response (column 5, line 1-5, line 30-60 and column 7, line 45-50), a sense transistor (figure 1, item 28), a current source (figure 1, item 34). In regards to claims 17-20 and 24-28, the utilization of bipolar transistor or MOS transistor is a obvious design choice (In re Leshin, 125 USPQ 416). In regards to claim 32 (column 8, line 65-70).

***Claim Rejections - 35 USC § 103***

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

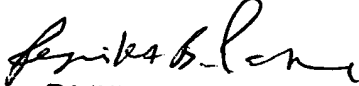
4. Claims 33-45 and 52-55 are rejected under 35 U.S.C. 103(a) as being unpatentable over Rincon-Mora et al. (U.S. patent # 6,188,211) in combination with Roberts et al. (U.S. Patent # 6,166,850) and Norris et al. (U.S. Patent # 5,477,858). Rincon-Mora et al. disclose the claimed subject matters as explained in the claims 1-32, above, except the utilization of the technique for a slow transient response and fast transient response and an amplifier including a transconductance stage, a boost circuit, and sense circuit. However Roberts et al. teaches the utilization of similar technique for a slow transient response and fast transient response (column 6, line 60-70 and column

7, line 1-25) and Norris et al. teaches the utilization of technique for an amplifier including a transconductance stage, a boost circuit, and sense circuit (figure 10C, item 2006 and 2124). It would have been obvious one having an ordinary skill in the art at the time the invention was made to modify Rincon-Mora et al.'s voltage regulation circuit by utilizing the technique taught by Roberts et al. and Norris et al. for the purpose of enabling/disabling of a control system by operation of a transient magnitude threshold sensor.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Rajnikant B. Patel whose telephone number is 571-272-2082. The examiner can normally be reached on 6.30-5.00; m-f.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Karl Easthom can be reached on 571-272-1989. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

  
RAJNIKANT B. PATEL  
PRIMARY EXAMINER

Form PTO-1449

Docket No.: 35706.2300(P-032)

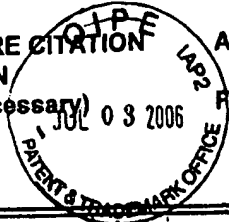
Application No: 09/945,187

INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION  
(Use Several Sheets If Necessary)

Applicant: KEN OSTROM, et al.

Filing Date: 08/31/2001

Group Art Unit: 2838



## U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
<i>CE</i>	AA	6809504	10/26/04	Tang	323	274	<i>T</i>
<i>AB</i>	AB	5959372	09/1999	Every	307	131	<i>T</i>
<i>AC</i>	AC	6166850	12/2000	Roberts	359	341.2	<i>T</i>
<i>AD</i>	AD	6392612	05/2002	George	345	20	<i>T</i>
<i>AE</i>	AE	5838145	11/17/98	Poon et al.	560	84	<i>T</i>
<i>AF</i>	AF	5559423	09/24/96	Harman	323	277	<i>T</i>
<i>AG</i>	AG	6028417	02/22/00	Ang et al.	323	268	<i>T</i>
<i>AH</i>	AH	5629608	05/13/97	Budelman	323	268	<i>T</i>
<i>AI</i>	AI	5394077	02/28/95	Atsumi	323	223	<i>T</i>
<i>AJ</i>	AJ	5705919	01/06/98	Wilcox	323	282	<i>T</i>

## FOREIGN PATENT DOCUMENTS

Examiner Initial		Document Number	Publication Date	Country of Patent Office	Class	Subclass	Translation Yes / No
<i>AK</i>	AK	0076599	09/22/82	EUROPE	G05F	1/56	YES
<i>AL</i>	AL	7-222437	08/18/1995	JAPAN	H02M	3/155	NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Examiner Initial		
	AM	
	AN	

Examiner: *fig. 1 am*Date Considered: 8/7/06

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449

Docket No.: 35706.2300(P-032)

Application: No: 09/945,187

**INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION**  
(Use Several Sheets If Necessary)

Applicant: KEN OSTROM, et al.

Filing Date: 08/31/2001

Group Art Unit: 2838

**U.S. PATENT DOCUMENTS**

Examiner Initial		Document Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
<i>OTTE</i>	BA	5864227	01/26/99	Borden	323	280	<i>I</i>
<i>03 2006</i>	BB	5627460	05/06/97	Bazinet et al	323	288	
<i>03 2006</i>	BC	4341990	07/27/82	Davis	323	303	
<i>03 2006</i>	BD	6058488	05/02/00	Eckhardt et al	713	503	
	BE						
	BF						
	BG						
	BH						
	BI						
	BJ						

**FOREIGN PATENT DOCUMENTS**

Examiner Initial		Document Number	Publication Date	Country of Patent Office	Class	Subclass	Translation Yes / No
<i>OTTE</i>	BK	63-156585	10/13/1988	JAPAN	H02M	3/28	NO
<i>OTTE</i>	BL	61-293160	12/23/1986	JAPAN	H02M	3/155	NO

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

Examiner Initial		
	BM	
	BN	

Examiner: *Reg. l. com*Date Considered: *8/2/06*

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Form PTO-1449

Docket No.: 35706.2300(P-032)

Application: No: 09/945,187

INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION

Applicant: KEN OSTROM, et al.

(Use Several Sheets If Necessary)

Filing Date: 08/31/2001

Group Art Unit: 2838

## U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
CA							
CB							
CC							
CD							
CE							
CF							
CG							
CH							
CI							
CJ							

## FOREIGN PATENT DOCUMENTS

Examiner Initial		Document Number	Publication Date	Country of Patent Office	Class	Subclass	Translation Yes / No
CK		2000-47740	02/18/2000	JAPAN	G05F	1/613	NO
CL		63-153784	10/07/1988	JAPAN	H02M	3/28	NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Examiner Initial		
CM		
CN		

Examiner:                     Date Considered: 8/7/06

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449

Docket No.: 35706.2300(P-032)

Application No: 09/945,187

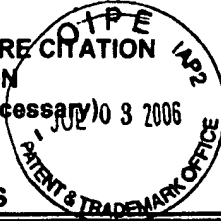
INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION

Applicant: KEN OSTROM, et al.

(Use Several Sheets If Necessary)

Filing Date: 08/31/2001

Group Art Unit: 2838



## U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	DA						
	DB						
	DC						
	DD						
	DE						
	DF						
	DG						
	DH						
	DI						
	DJ						

## FOREIGN PATENT DOCUMENTS

Examiner Initial		Document Number	Publication Date	Country of Patent Office	Class	Subclass	Translation Yes / No
	DK	56-96307	08/04/1981	JAPAN	G05F	1/56	NO
	DL						

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Examiner Initial		
	DM	
	DN	

Examiner:

Date Considered:

8/7/06

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<b>Notice of References Cited</b>	Application/Control No. 09/945,187	Applicant(s)/Patent Under Reexamination OSTROM ET AL.	
	Examiner Rajnikant B. Patel	Art Unit 2838	Page 1 of 1

**U.S. PATENT DOCUMENTS**

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-6,188,211	02-2001	Rincon-Mora et al.	323/280
*	B	US-6,166,850	12-2000	Roberts et al.	359/341.2
*	C	US-5,477,858	12-1995	Norris et al.	600/441
	D	US-			
	E	US-			
	F	US-			
	G	US-			
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

**FOREIGN PATENT DOCUMENTS**

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

**NON-PATENT DOCUMENTS**

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

\*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)  
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.